



**CCFL Display
Sustainability, Revitalization & Substitution
Service**

- Replacement designs
- Compatible designs
- CCFL to LED Replacements
- Obsolescence Management



Why did the revitalization or substitution of field-installed TFT-Displays with CCFL backlights become necessary?

- Almost all CCFL-Backlight TFT-Displays are obsolete.
- CCFL-Tubes as spare-parts are also obsolete.
- There is often no mechanically compatible successor available.
- Your customers expect service for several years

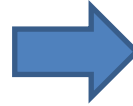
Why should you choose us as your partner?

- More than 24 years of design experience.
- LED-Rail know-how as modern replacement for CCFL-Tubes (benefit: higher brightness or lower power consumption with LED)
- Deep inverter know-how to convert an analog controlled CCFL-Inverter solution into a compatible LED-Converter solution.
- More than 14 years experience in design of TTL/LVDS or LVDS/TTL conversion.
- More than 24 years experience in mechanical designs.

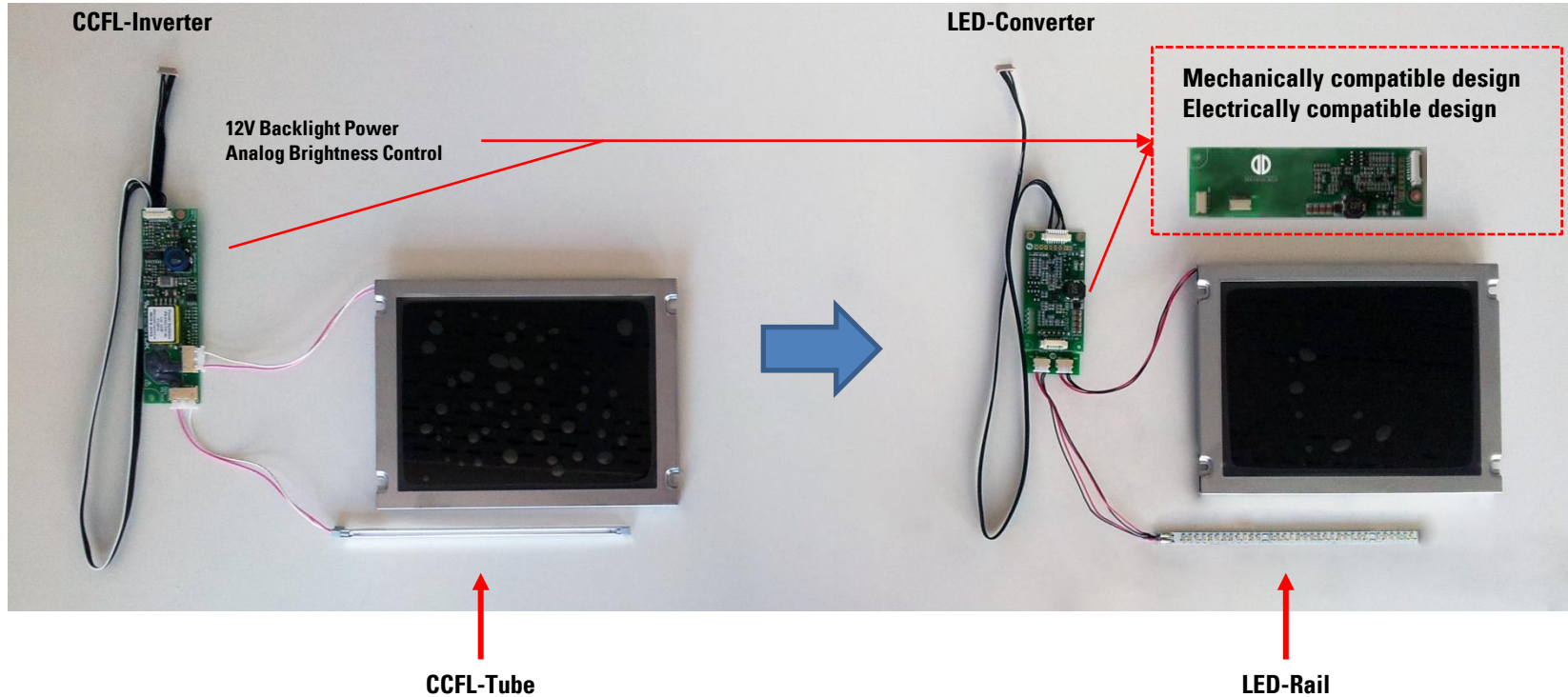


Revitalization Example

OLD: CCFL-TFT



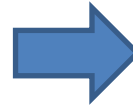
NEW: LED-TFT



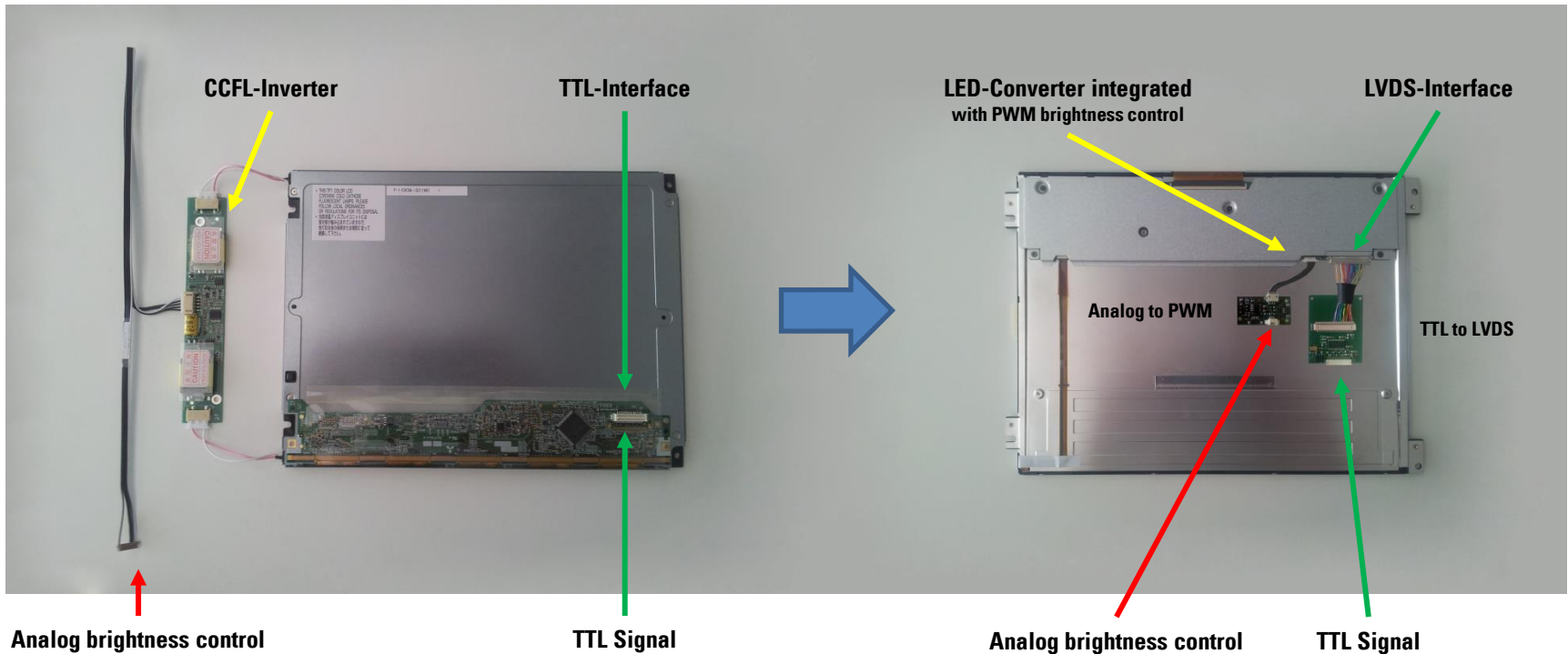


Revitalization Example

OLD: CCFL-TFT



NEW: LED-TFT





Obsolescence Management

Identify obsolescence

Define critical components

Find alternative products

Search for mechanically and electrically identical or largely compatible products on the world market, provide them and hold stock

Continuous surveillance

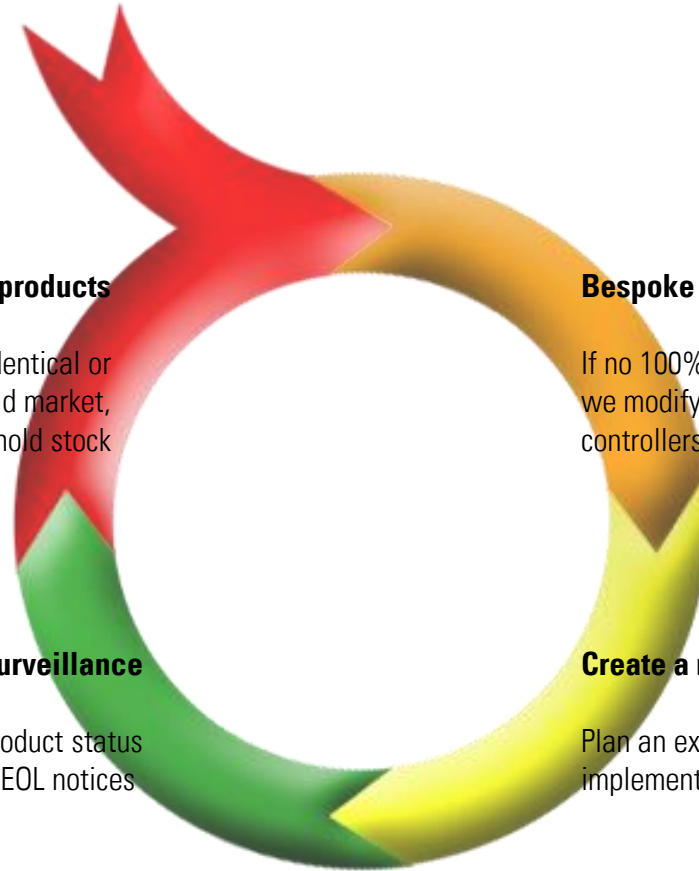
Proactive surveillance of the product status via manufacturer's PCN and EOL notices

Bespoke modifications

If no 100% compatible product is available, we modify mechanic or electric (e.g. mounting bezels, controllers, interface boards etc.)

Create a retrofitting concept

Plan an exchange program and prepare the logistic implementation



Our company network supports you worldwide with offices in Germany, Great Britain, the USA and Turkey.

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